

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| L1 | 2338 | (Liquid near crystal or LCD) and (nozzle or dispers\$4 or needle)with(touch \$4 or contact\$4 or hit\$4)with (substrate or surface or wafer) and sensor and (distance or height or gap) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/24 18:39 |
| L2 | 390 | (Liquid near crystal or LCD) and (nozzle or dispers\$4 or needle)with(touch \$4 or contact\$4 or hit\$4)with (substrate or surface or wafer) and sensor with (distance or height or gap) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/24 18:39 |
| L3 | 182 | (Liquid near crystal or LCD) and (nozzle or dispers\$4 or needle)near2 (touch\$4 or contact\$4 or hit \$4)with(substrate or surface or wafer)and sensor with(distance or height or gap) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/24 18:40 |

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| L4 | 122 | (Liquid near crystal or LCD) and (nozzle or dispers\$4 or needle)near2 (touch\$4 or contact\$4 or hit \$4)near2 (substrate or surface or wafer) and sensor with (distance or height or gap) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/24 18:41 |
| L5 | 197 | "6001203" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/08/24 20:22 |
| S1 | 1 | 10/660655 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/06/24 13:51 |
| S2 | 9 | "6391378" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/07/03 21:16 |
| S3 | 0 | 10/660655 | USPAT | OR | OFF | 2009/08/21 15:20 |
| S4 | 1 | 10/660655 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/21 15:20 |
| S5 | 0 | laser near sensor with (movment with substaret) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/21 15:21 |
| S6 | 0 | laser near sensor with (movement with substaret) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/21 15:21 |

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| S7 | 2 | laser near sensor with (movement with substrate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/08/21 15:22 |
| S8 | 0 | laser near sensor with (lift\$4 with substrate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:22 |
| S9 | 4 | laser near sensor same (lift\$4 with substrate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:22 |
| S10 | 0 | laser near sensor same ((dispens\$4 or deposit\$4 or drop\$4)with substrate) and lift \$4 with sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:24 |
| S11 | 0 | laser near3 sensor same ((dispens\$4 or deposit\$4 or drop \$4)with substrate) and lift \$4 with sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:24 |
| S12 | 46 | laser near3 sensor and ((dispens\$4 or deposit\$4 or drop \$4)with substrate) and lift \$4 with sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:24 |
| S13 | 97 | laser near3 sensor with displac\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:29 |
| S14 | 45974 | OSHIMA.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:42 |

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| S15 | 155063 | HIDEO.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:42 |
| S16 | 575 | S14 and S15 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:42 |
| S17 | 20 | S14 and S15 and laser | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:43 |
| S18 | 0 | S14 and S15 and laser near sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:43 |
| S19 | 1 | S14 and S15 and laser near3 sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:43 |
| S20 | 2162872 | S14 and S15 and laser nwith sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:43 |
| S21 | 1 | S14 and S15 and laser with sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:43 |
| S22 | 335011 | seiko.as. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:44 |

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| S23 | 118 | S22 and laser near3 sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:44 |
| S24 | 25 | S22 and laser near sensor | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/08/21 15:44 |
| S25 | 0 | laser near sensor with (movment with substaret) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/22 18:11 |
| S26 | 15001 | liquid near crystal and nozzle and substrate | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/22 18:13 |
| S27 | 105 | liquid near crystal and nozzle and substrate and (spacing or distance) with (nozzle or syringe or needle) with substrate with(lift\$4 or rais \$4 or lower\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/05/22 18:14 |
| S28 | 246 | liquid near crystal and nozzle and substrate and (spacing or distance) with (nozzle or syringe or needle) with substrate with(lift\$4 or rais \$4 or lower\$4 or move\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 18:15 |

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| S29 | 219 | liquid near crystal and nozzle and substrate and (spacing or distance) with (nozzle or syringe or needle) with substrate with(lift\$4 or rais \$4 or lower\$4 or move\$4)and (speed\$4 or rate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 18:15 |
| S30 | 49 | liquid near crystal and nozzle and substrate and (spacing or distance) with (nozzle or syringe or needle) with substrate with(lift\$4 or rais \$4 or lower\$4 or move\$4)with (speed\$4 or rate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/05/22 18:17 |
| S31 | 1 | 10/660655 | USPAT | OR | OFF | 2010/10/26 18:08 |
| S32 | 2 | 10/660655 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/10/26 18:08 |
| S33 | 0 | liquid near crystal and nozzl\$4 with (gap or distance or space or height) with contrl \$4 | USPAT | OR | OFF | 2010/10/27 16:43 |
| S34 | 0 | liquid near crystal and nozzl\$4 with (gap or distance or space or height) with contrl \$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/10/27 16:43 |
| S35 | 930 | liquid near crystal and nozzl\$4 with (gap or distance or space or height) with control\$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/10/27 16:43 |

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| S36 | 440 | liquid near crystal and nozzl\$4 with (gap or distance or space or height) with control\$4 and laser | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/10/27 16:43 |
| S37 | 253 | liquid near crystal and nozzl\$4 with (gap or distance or space or height) with control\$4 and laser and switch \$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/10/27 16:44 |
| S38 | 203 | liquid near crystal and nozzl\$4 with (gap or distance or space or height) with control\$4 and laser and switch \$4 and (rate or speed\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/10/27 16:44 |
| S39 | 24 | liquid near crystal and nozzl\$4 with (gap or distance or space or height) with control\$4 and laser with sensor and switch\$4 and (rate or speed\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/10/27 16:44 |
| S40 | 2 | 10/660655 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/03/11 16:27 |
| S41 | 14 | "6391378" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/03/11 16:32 |
| S42 | 193 | "6001203" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/05/09 18:26 |

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| S43 | 15 | "6155099" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/05/09 18:28 |
| S44 | 2 | "6455099" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/05/09 18:29 |
| S45 | 26 | "5409545" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/05/09 18:31 |
| S46 | 4 | "6595819" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/05/09 18:33 |
| S47 | 4 | "6595819" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2011/05/09 18:37 |

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